

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/578,580
Source: EFWJP
Date Processed by STIC: 5-22-06

ENTERED

CRF Errors Edited by the STIC Systems Branch

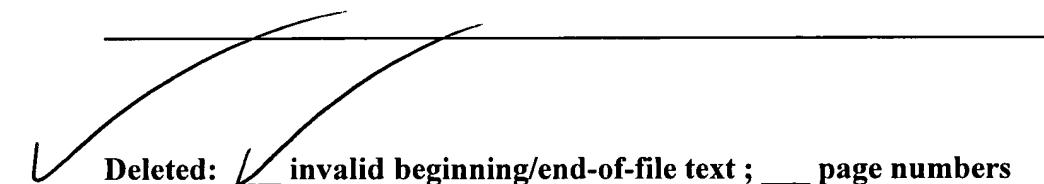
Serial Number: 10/578, 580

CRF Edit Date: 5-22-06
Edited by: ZL

— Realigned nucleic acid/amino acid numbers/text in cases where the sequence text "wrapped" to the next line

— Corrected the SEQ ID NO. Sequence numbers edited were:

— Inserted or corrected a nucleic number at the end of a nucleic line. SEQ ID NO's edited:


Deleted:  invalid beginning/end-of-file text ; page numbers

— Inserted mandatory headings/numeric identifiers, specifically:

— Moved responses to same line as heading/numeric identifier, specifically:

— Other:



IFWP

RAW SEQUENCE LISTING DATE: 05/22/2006
PATENT APPLICATION: US/10/578,580 **TIME:** 09:47:22

Input Set : A:\PTO.KD.txt
 Output Set: N:\CRF4\05222006\J578580.raw

3 <110> APPLICANT: AMGEN INC.
 4 Aldrich, Teri
 5 Shen, Wenyan
 6 Jacobsen, Frederick W.
 7 Morris, Arvia E.
 8 Allen, Martin J.
 10 <120> TITLE OF INVENTION: Monkey Immunoglobulin Sequences
 12 <130> FILE REFERENCE: A-951 (WO)
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/578,580
 C--> 15 <141> CURRENT FILING DATE: 2006-05-05
 17 <150> PRIOR APPLICATION NUMBER: US 60/517,970
 18 <151> PRIOR FILING DATE: 2003-11-07
 20 <160> NUMBER OF SEQ ID NOS: 86
 22 <170> SOFTWARE: PatentIn version 3.2
 24 <210> SEQ ID NO: 1
 25 <211> LENGTH: 999
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 27 <213> ORGANISM: Macaca fascicularis
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 34 tgaacttag gctccctgac cagcggcggtg cacaccccttcc cggctgtcct acagtcctca 180
 36 gggctctact ccctcagcag cgtggtgacc gtgccttcca gcagcttggg caccctgacc 240
 38 tacgtctgca acgtaaacca caagcccagc aacaccaagg tggacaagag agttgagata 300
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 42 ctggggggac cgtcagtctt cctttcccc ccaaaacccca aggacaccct catgatctcc 420
 44 cgacccctgt aggtcacgtg cgtggtgacc gacgtgagcc aggaagaccc cgatgtcaag 480
 46 ttcaactggt acgtaaatgg cgcggagggtg catcatgccc agacgaagcc acgggagacg 540
 48 cagtacaaca gcacatatcg tgggtcagc gtcctcaccg tcacgcacca ggactggctg 600
 50 aacggcaagg agtacacgtg caaggtctcc aacaaagccc tccggcccc catccagaaa 660
 52 accatctcca aagacaaaagg gcagccccga ggcctcagg tgtacacccct gccccgtcc 720
 54 cgggaggagc tgaccaagaa ccaggtcagc ctgaccccttcc tggtaaagg cttctacccc 780
 56 agcgacatcg tgggtggatg ggagagcagc gggcagccgg agaacaccccttca caagaccacc 840
 58 ccgcccgtgc tggactccga cggctctac ttcccttaca gcaagctcac cgtggacaag 900
 60 agcaggtggc agcaggggaa cgtttctca tgctccgtga tgcatgaggc tctgcacaac 960
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 67 <212> TYPE: PRT
 68 <213> ORGANISM: Macaca fascicularis
 70 <400> SEQUENCE: 2
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 73 1 5 10 15

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Input Set : A:\PTO.KD.txt
Output Set: N:\CRF4\05222006\J578580.raw

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81 35 40 45
84 Gly Val His Thr Phe Pro Ala Val Leu Gln Ser Ser Gly Leu Tyr Ser
85 50 55 60
88 Leu Ser Ser Val Val Thr Val Pro Ser Ser Ser Leu Gly Thr Gln Thr
89 65 70 75 80
92 Tyr Val Cys Asn Val Asn His Lys Pro Ser Asn Thr Lys Val Asp Lys
93 85 90 95
96 Arg Val Glu Ile Lys Thr Cys Gly Gly Ser Lys Pro Pro Thr Cys
97 100 105 110
100 Pro Pro Cys Pro Ala Pro Glu Leu Leu Gly Gly Pro Ser Val Phe Leu
101 115 120 125
104 Phe Pro Pro Lys Pro Lys Asp Thr Leu Met Ile Ser Arg Thr Pro Glu
105 130 135 140
108 Val Thr Cys Val Val Val Asp Val Ser Gln Glu Asp Pro Asp Val Lys
109 145 150 155 160
112 Phe Asn Trp Tyr Val Asn Gly Ala Glu Val His His Ala Gln Thr Lys
113 165 170 175
116 Pro Arg Glu Thr Gln Tyr Asn Ser Thr Tyr Arg Val Val Ser Val Leu
117 180 185 190
120 Thr Val Thr His Gln Asp Trp Leu Asn Gly Lys Glu Tyr Thr Cys Lys
121 195 200 205
124 Val Ser Asn Lys Ala Leu Pro Ala Pro Ile Gln Lys Thr Ile Ser Lys
125 210 215 220
128 Asp Lys Gly Gln Pro Arg Glu Pro Gln Val Tyr Thr Leu Pro Pro Ser
129 225 230 235 240
132 Arg Glu Glu Leu Thr Lys Asn Gln Val Ser Leu Thr Cys Leu Val Lys
133 245 250 255
136 Gly Phe Tyr Pro Ser Asp Ile Val Val Glu Trp Glu Ser Ser Gly Gln
137 260 265 270
140 Pro Glu Asn Thr Tyr Lys Thr Thr Pro Pro Val Leu Asp Ser Asp Gly
141 275 280 285
144 Ser Tyr Phe Leu Tyr Ser Lys Leu Thr Val Asp Lys Ser Arg Trp Gln
145 290 295 300
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166 tggaaactcag ggcctgtac cagcggcgtg cacaccttcc aggctgtcct acagtcccta 180
168 gggctctact ccctcagcag cgtggtgacc gtgccctcca gcagcttggg cactcagacc 240

RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/578,580

DATE: 05/22/2006
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Output Set: N:\CRF4\05222006\J578580.raw

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174	aactctggct	gtgcagcccc	agcccagggc	agcaggccag	gccccgtctg	tcttctcacc	420
176	cagaggcctc	tgcccacccc	actcatgctc	aggagccag	tcttctggct	tttccacca	480
178	ggctctgagc	aggcacagggc	tggatgcccc	taccccaggc	cctgcacaca	caggggcagg	540
180	tgctgggctc	agacactgcca	agagccatat	ctgggaggac	cctgcctga	cctaagccca	600
182	ccccaaaggc	caaactccac	tccctcagct	cagacacott	ctctcctccc	acatcccagt	660
184	aactccaaat	cttctctctg	cagggctccc	atgtcgttcc	acgtgcccac	cgtgcccagg	720
186	taagccagcc	caggcctcac	cctccagctc	aaggtagggac	aagcgcctta	gagtggcctg	780
188	tgtccaggg	caggcctgc	ccgggtgctg	acacgtccac	ctccatctct	tcctcagctg	840
190	aactcctggg	gggaccgtca	gtcttcctct	tccccccaaa	acccaaggac	accctcatga	900
192	tttcccgac	ccctgaggc	acgtgcgtgg	tggtagacgt	gagccagggaa	gaacccgatg	960
194	tcaagttcaa	ctggtaatgt	gacggcgtgg	aggtgcacaa	tgcccagacg	aagccacggg	1020
196	aggagcatt	caacagcacg	taccgcgtgg	tcagcgtct	caccgtcaca	caccaggact	1080
198	ggctgaacgg	caaggaggtac	acgtgcaagg	tctccaacaa	agccctcccg	gccccaaagc	1140
200	agaaaaactgt	ctccaaaacc	aaaggtggga	cccgccgggc	acgagggcca	cgtggacaga	1200
202	gcccggtca	gcccaccc	tgcctggga	gtgaccgctg	tgccaaacctc	tgtccctaca	1260
204	gggcagcccc	gagagccaca	ggtgtacacc	ctgccccccg	cccgggagga	gctgaccaag	1320
206	aaccaggta	gcctgacctg	cctggtcaaa	ggcttctacc	ccagcgacat	cgtcgtggag	1380
208	tgggcgagca	acgggcagcc	ggagaacacc	tacaagacca	ccccgcccgt	gctggactcc	1440
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212	aacacccct	catgctccgt	gatgcatgag	gctctgcaca	accactacac	ccagaagago	1560
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219 <212> TYPE: PRT

220 <213> ORGANISM: Macaca fascicularis

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229					20			25			30					
232	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser
233					35			40			45					
236	Gly	Val	His	Thr	Phe	Gln	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser
237					50			55			60					
240	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr
241					65			70			75			80		
245	Tyr	Val	Cys	Asn	Val	Val	His	Glu	Pro	Ser	Asn	Thr	Lys	Val	Asp	Lys
246					85			90			95					
249	Thr	Val	Gly	Leu	Pro	Cys	Arg	Ser	Thr	Cys	Pro	Pro	Cys	Pro	Ala	Glu
250					100			105			110					
253	Leu	Leu	Gly	Gly	Pro	Ser	Val	Phe	Leu	Phe	Pro	Pro	Lys	Pro	Lys	Asp
254					115			120			125					
257	Thr	Leu	Met	Ile	Ser	Arg	Thr	Pro	Glu	Val	Thr	Cys	Val	Val	Val	Asp
258					130			135			140					
261	Val	Ser	Gln	Glu	Glu	Pro	Asp	Val	Lys	Phe	Asn	Trp	Tyr	Val	Asp	Gly
262	145				150					155			160			
265	Val	Glu	Val	His	Asn	Ala	Gln	Thr	Lys	Pro	Arg	Glu	Gln	Phe	Asn	

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PATENT APPLICATION: US/10/578,580

DATE: 05/22/2006
TIME: 09:47:22

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270	180	185	190
273	Leu Asn Gly Lys Glu Tyr Thr Cys Lys Val Ser Asn Lys Ala Leu Pro		
274	195	200	205
277	Ala Pro Lys Gln Lys Thr Val Ser Lys Thr Lys Gly Gln Pro Arg Glu		
278	210	215	220
281	Pro Gln Val Tyr Thr Leu Pro Pro Arg Glu Glu Leu Thr Lys Asn		
282	225	230	235
285	240	245	250
286	Gln Val Ser Leu Thr Cys Leu Val Lys Gly Phe Tyr Pro Ser Asp Ile		
289	255	260	265
290	270	275	280
293	285	290	295
297	Leu Thr Val Asp Lys Ser Arg Trp Gln Gln Gly Asn Thr Phe Ser Cys		
298	300	305	310
301	Ser Val Met His Glu Ala Leu His Asn His Tyr Thr Gln Lys Ser Leu		
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320	tggaaactcag ggcgcctgac cagcggcggt cacacccctcc cggctgtctt acagtccctca	180	
322	gggctctact ccctcagcag cgtggtgacc gtgccttcca gcagcttggg caccctagacc	240	
324	tacgtctgca acgtcggtca tgagcccgac aacaccaagg tggacaagag agttggtgag	300	
326	aggccagcga gggaggggga gtgtctgtg gaagccatgc tcggccctcc tgccctggaca	360	
328	aaccctggct gtgcagcccc agcccgaggc agcaggccag gcccggcttg tctcctcacc	420	
330	cagaggcctc tgcccaccccc actcatgtc agggagacag ttttctggct tttccacca	480	
332	gactcccgagc aggcacaggc tggatgcccc taccccgagc tctgcacaca tagggctgg	540	
334	tgctgggctc agacactgcca agagccatat ctgggaggac cctgctccctg acctaagccc	600	
336	accccaaagg ccaaactcca ctccctcagc tcggaaacct tctccttac cagatcccag	660	
338	taactcccaa tcttctctc gcagagttca cacccttgc cccaccatgc ccaggtaagc	720	
340	cagcccgaggc ctgccttcc agctcaaggt gggacaatgt cccttagatg gcctgtgtcc	780	
342	agggacagggc cccgcctggg tgctgacatg cccacctcca tcttcttcc agcacctgaa	840	
344	ctcctgggg gaccgtcagt cttccttcc ccccaaaaac ccaaggacac cctcatgatc	900	
346	tcccgagccc ctgaggtcac atgcgtggtg gtggacgtga gccaggaaga ccccgaggc	960	
348	cagttcaact ggtacgtgga cggcggtggag gtgcacatgc cccagacgaa gccacggggag	1020	
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358	gcagccccga gagccgcagg tgtacatctt gccccccccc caggaggagc tgaccaagaa	1320	
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RAW SEQUENCE LISTING
PATENT APPLICATION: US/10/578,580

DATE: 05/22/2006
TIME: 09:47:23

Input Set : A:\PTO.KD.txt
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366	caccttctca	tgctccgtga	tgcatgaggc	tctgcacaac	cactacaccc	agaagagcct	1560											
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382	Ser	Thr	Ser	Glu	Ser	Thr	Ala	Ala	Leu	Gly	Cys	Leu	Val	Lys	Asp	Tyr		
383				20					25					30				
386	Phe	Pro	Glu	Pro	Val	Thr	Val	Ser	Trp	Asn	Ser	Gly	Ala	Leu	Thr	Ser		
387					35			40				45						
390	Gly	Val	His	Thr	Phe	Pro	Ala	Val	Leu	Gln	Ser	Ser	Gly	Leu	Tyr	Ser		
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394	Leu	Ser	Ser	Val	Val	Thr	Val	Pro	Ser	Ser	Ser	Leu	Gly	Thr	Gln	Thr		
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419					165			165		170			175					
422	Thr	Tyr	Arg	Val	Val	Ser	Val	Leu	Thr	Val	Thr	His	Gln	Asp	Trp	Leu		
423				180			180		185			190						
426	Asn	Gly	Lys	Glu	Tyr	Thr	Cys	Lys	Val	Ser	Asn	Lys	Gly	Leu	Pro	Ala		
427				195			195		200			205						
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443				260			260		265			270						
446	Pro	Pro	Val	Leu	Asp	Ser	Asp	Gly	Ser	Tyr	Phe	Leu	Tyr	Ser	Lys	Leu		
447				275			275		280			285						
450	Ile	Val	Asp	Lys	Ser	Arg	Trp	Gln	Gln	Gly	Asn	Thr	Phe	Ser	Cys	Ser		
451		290			290			295			300							
454	Val	Met	His	Glu	Ala	Leu	His	Asn	His	Tyr	Thr	Gln	Lys	Ser	Leu	Ser		
455	305				305			310			315			320				

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/578,580

DATE: 05/22/2006

TIME: 09:47:24

Input Set : A:\PTO.KD.txt

Output Set: N:\CRF4\05222006\J578580.raw

L:14 M:270 C: Current Application Number differs, Replaced Current Application Number

L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date

Raw Sequence Listing before editing (for reference only)



IFWP

RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/578,580

DATE: 05/17/2006

TIME: 10:15:14

Input Set : A:\A-951 (WO) SeqListing final 10.19.04.txt
 Output Set: N:\CRF4\05172006\J578580.raw

3 <110> APPLICANT: AMGEN INC.
 4 Aldrich, Teri
 5 Shen, Wenyan
 6 Jacobsen, Frederick W.
 7 Morris, Arvia E.
 8 Allen, Martin J.
 10 <120> TITLE OF INVENTION: Monkey Immunoglobulin Sequences
 12 <130> FILE REFERENCE: A-951 (WO)
 C--> 14 <140> CURRENT APPLICATION NUMBER: US/10/578,580
 C--> 15 <141> CURRENT FILING DATE: 2006-05-05
 17 <150> PRIOR APPLICATION NUMBER: US 60/517,970
 18 <151> PRIOR FILING DATE: 2003-11-07
 20 <160> NUMBER OF SEQ ID NOS: 86
 22 <170> SOFTWARE: PatentIn version 3.2

Does Not Comply
 Corrected Diskette Needed
 (pg. 1)

ERRORED SEQUENCES

3483 <210> SEQ ID NO: 86
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 3486 <213> ORGANISM: Artificial Sequence
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 3489 <223> OTHER INFORMATION: Antibody variable domain sequences that recognize anti IL-4R
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 3506 50 55 60
 3509 Gly Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Arg Leu Glu
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VERIFICATION SUMMARY
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DATE: 05/17/2006
TIME: 10:15:16

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L:14 M:270 C: Current Application Number differs, Replaced Current Application Number
L:15 M:271 C: Current Filing Date differs, Replaced Current Filing Date
L:3521 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:3521 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:2 //
L:3526 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:86 //
L:3529 M:333 E: Wrong sequence grouping, Amino acids not in groups!
L:3529 M:330 E: (2) Invalid Amino Acid Designator, NUMBER OF INVALID KEYS:6 //
L:3529 M:252 E: No. of Seq. differs, <211> LENGTH:Input:109 Found:117 SEQ:86 //